

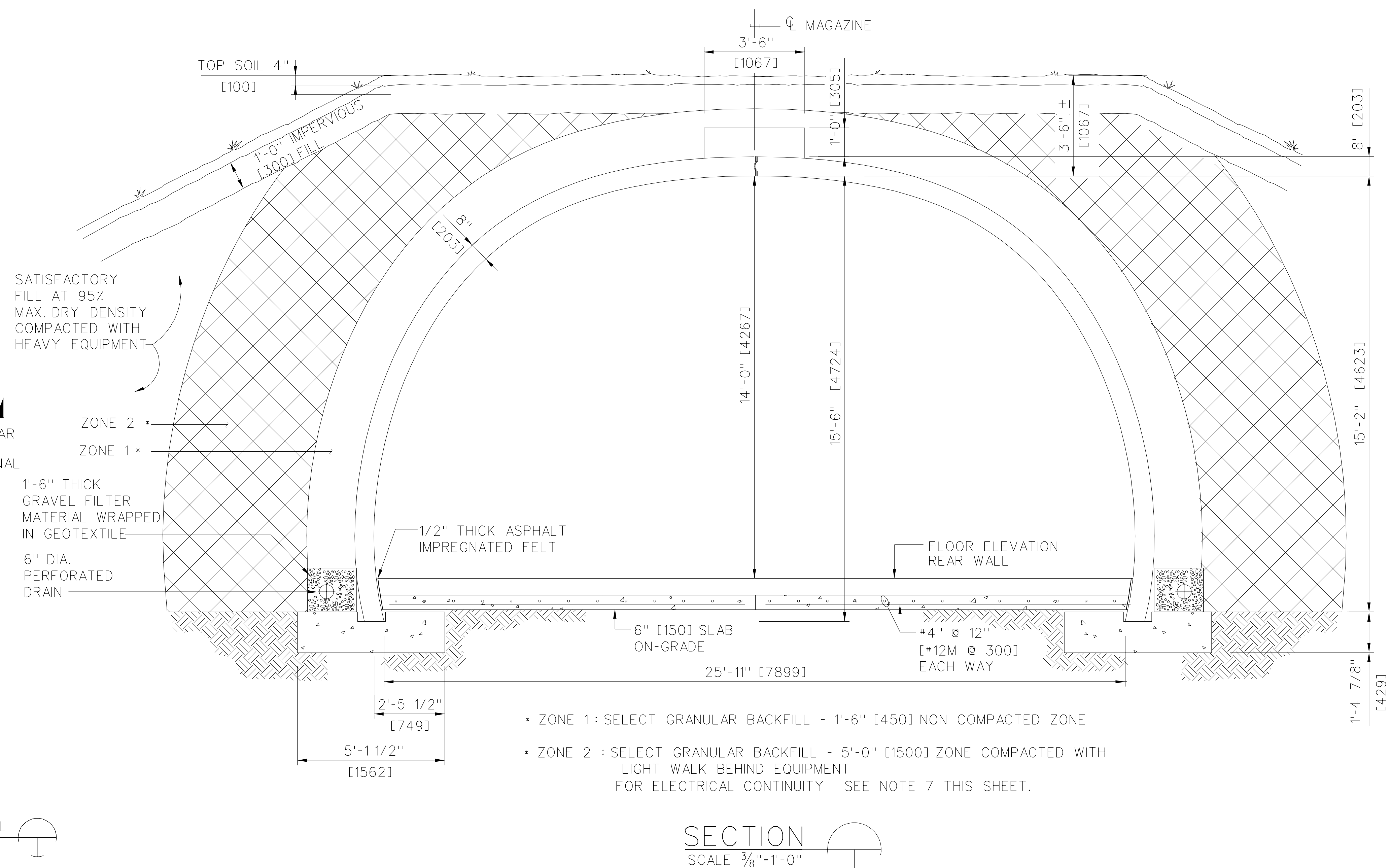


U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA	Designed by: Kim Truong	Date: July 98	Rev.
	Dwn by: DW/KC	Design file no. 84213	
	Reviewed by: KT	Drawing scales: 421/80/05	
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Sheet
reference
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Sheet S-1c

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SCALE $\frac{3}{8}" = 1'-0"$

- NOTES:
1. NORMALLY CONSTRUCTED IN 60'-0" [18288] OR 80'-0" [24384] LENGTHS. MAXIMUM LENGTH WITH FLOOR SLOPE: 90'-0" [27432]
 2. DOOR OPENING TO BE SIZED FOR OPTIONAL DOOR SIZE REQUIRED.
 3. CONCRETE SHALL HAVE 28 DAY ULTIMATE STRENGTH (f'c) OF 4,000 P.S.I. [28MPa]
 4. REINFORCING STEEL SHALL BE ASTM A615 WITH THE FOLLOWING GRADES:
TIES -GRADE 40 [276 MPa]
ALL OTHERS -GRADE 60 [414 MPa]
 5. DIMENSIONS SHOWN IN BRACKETS ARE MILLIMETERS, THEY MAY BE ROUNDED TO THE NEAREST UNIT.
ALL REBAR METRIC SIZES ARE IN MILLIMETERS.
 6. DRAINS TO BE SITE ADAPTED TO DRAIN EITHER TO THE FRONT OR REAR OF THE MAGAZINE.
ACCUMULATED DRAINAGE SHALL BE DIRECTED AWAY FROM THE MAGAZINE IN A CONTROLLED MANNER.
 7. ALL METAL PARTS, TO INCLUDE REINFORCEMENT, LOUVERS, VENTILATOR, DOOR, DOOR FRAME, ETC, SHALL BE MADE ELECTRICALLY CONTINUOUS BY CLIPPING, BRAZING, OR WELDING. ELECTRICAL CONTINUITY SHALL BE PROVIDED ACROSS FLOOR CONSTRUCTION JOINTS AND ACROSS FLOOR ISOLATION JOINTS TO ARCH REINFORCEMENT AT 5 FEET [1524] INTERVALS. ACCEPTABLE ELECTRICAL CONTINUITY METHODS ARE REINFORCEMENT BARS, COOPER STRAPS, ETC.
 8. IN FROST AREAS PROVIDE NONFROST-SUSCEPTIBLE MATERIAL UNDER HEADWALL FOOTING, TO FULL DEPTH OF FROST PENETRATION, OR LOWER BOTTOM OF FOOTING TO FROST PENETRATION DEPTH.
 9. TOP OF MAGAZINE PORTAL FOOTING MUST BE MAINTAINED AT FINISHED FLOOR ELEVATION FOR THE FULL 2'-6" [762] BEYOND FACE OF PORTAL TO MAINTAIN SLIDING DOOR OPERATION. DO NOT EXTEND DOCK OR RAMP SLABS UNDER DOOR.
 10. NO REBARS IN PRECAST ARCH ELEMENTS SHALL BE PARTIALLY DAMAGED OR CUT BY THE DRILLING PROCESS.
 11. WATERPROOFING TREATMENT ON THE OUTSIDE OF THE STRUCTURE IS NOT SUPPLIED BY THE REINFORCED EARTH COMPANY. IT MAY CONSTITUTE OF ELASTOMERIC MEMBRANES.